

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 09/449,625

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9. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 1, wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

10. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 2, wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

11. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 3, wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

12. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 4, wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 09/449,625

A6
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the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

13. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 5, wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

14. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 6, wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

15. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 7, wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 09/449,625

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16. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 8, wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

A6

19. (Amended) A radiation image conversion panel obtained by the method of manufacturing a radiation image conversion panel in which a stimulable phosphor-containing coating solution, which contains at least a stimulable phosphor and a binder, is applied to a support by use of an extrusion coater such that the film thickness of a coated film of the stimulable phosphor-containing coating solution is in the range of from 300 to 800 μm .

A7

[Please add new claims 20 and 21]

--20. A method of manufacturing a radiation image conversion plane according to claim 1, wherein a speed of movement of the support is in the range of from 0.5 to 5m/min.

21. A radiation image conversion panel according to claim 19, wherein a speed of movement of the support is in the range of from 0.5 to 5m/min.

22. A method of manufacturing a radiation image conversion panel according to one of claim 1, wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

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C3

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appln. No. 09/449,625

$$0.80 \times B + 110 \leq A \leq 1.05 \times B + 130.$$

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23. A method of manufacturing a radiation image conversion panel in which a stimulable phosphor-containing coating solution, which contains at least a stimulable phosphor and a binder, is applied to a support by use of an extrusion coater such that the film thickness of a coated film of the stimulable phosphor-containing coating solution is in the range of from 300 to 800 μm , wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

24. A method of manufacturing a radiation image conversion panel in which a stimulable phosphor-containing coating solution, which contains at least a stimulable phosphor and a binder, is applied to a support by use of an extrusion coater such that the film thickness of a coated film of the stimulable phosphor-containing coating solution is in the range of from 300 to 800 μm , wherein the stimulable phosphor-containing coating solution is applied such that a gap A (μm) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B (μm) of the coated film of the stimulable phosphor-containing coating solution satisfy the following relational expression

$$0.80 \times B + 110 \leq A \leq 1.05 \times B + 130.$$